From north to south, these are the Ethiopian Rift (ER), the Kenya Rift (KR), the northern Tanzania divergence. The eastern branch is a discontinuous system of rifts, most of which have experienced magmatism since their onset.


Wolfenden, Ellen, Ebinger, Cynthia, Yirgu, Gezahegn, Deino, Alan, and Ayalew, Dereje, 2004, Evolution of the Arabia-Nubia plate boundary in Afar in August 1989. Studies of this earthquake swarm show that the events...

The seismicity in the East African Rift is widespread, but displays a distinct pattern. Seismicity is characterized by...

...earthquakes. The largest earthquakes recorded in this area occurred in a swarm, along a section of the evolving...

...volcano-tectonic earthquakes. The majority of events occur in the 10–25-km depth range. This pattern is widespread...

Seismicity in the East African Rift system (EARS) is a 3,000-km-long Cenozoic age continental rift extending from the Afar triple junction zone to the southern Cape Peninsula in South Africa. This rift system experienced a series of late Cenozoic episodes of large-scale magmatism. Seismicity during these episodes, in...